

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 64-067495

(43)Date of publication of application : 14.03.1989

(51)Int.Cl.

B64C 3/50

B64C 9/02

(21)Application number : 63-198101

(71)Applicant : BRITISH AEROSPACE PLC
<BAF>

(22)Date of filing : 10.08.1988

(72)Inventor : WILLIAMS GEORGE H

(30)Priority

Priority number : 87 8718977 Priority date : 11.08.1987 Priority country : GB

(54) TRAILING EDGE FLAP FOR AIRCRAFT WING

(57)Abstract:

PURPOSE: To improve reliability of a structure by composing an actuation means for a flap member contained and supported in a trailing edge part of an aircraft wing through a specific link means of a lever arm connected to a rotation actuator, and providing a special support structure for the lever arm.

CONSTITUTION: An aircraft wing 10 in which a flap member 15 is contained in a trailing edge part 13 has an installation beam 18 extended from a lower surface of it backward. This installation beam 18 comprises a front structure fixture 19 and a back structure fixture 20 at the trailing edge part, and a flap supporting device and a bracket 21 for installing an actuator are incorporated at the backmost end. On the installation beam 18, the flap member 15 is supported by a front fixture assembly 22 pivotally installed on a carrying means 23 which is rolling-engaged with the installation beam 18, and a back fixture assembly 24 pivotally installed on a pair of actuator links 25, 26. The actuator links 25, 26 are pivotally installed on the carrying means 23 at forward ends, and pivotally installed on a pair of lever arms 27, 28 positioned in the bracket 21 at back ends.

